Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/12/2019 09:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125716	0	1.58	125812	1.53
Blue	F	SSC	125000	125000	0	1.56	125808	1.57
Blue	E	FITC	16122	15862	-2	2.70	345	19.59
Blue	D	PE	29316	29098	-1	1.94	635	14.54
Blue	B	PerCP-Cy5-5	42590	41907	-2	3.62	1132	20.50
Blue	A	PE-Cy7	33146	33178	0	6.09	637	41.05
Red	C	APC	45473	45291	-1	2.48	1609	11.86
Red	A	APC-Cy7	31961	31224	-3	2.49	826	11.65
Violet	B	V450	7914	7412	-7	4.57	416	13.16
Violet	A	V500	29769	28480	-5	4.35	662	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21284	3.20	609	9	N/A	N/A	Pass
Blue	F	SSC	56747	1.14	554	16	N/A	N/A	Pass
Blue	E	FITC	63	63.54	541	4	0.0217	184	Pass
Blue	D	PE	132	49.42	543	6	0.1683	278	Pass
Blue	B	PerCP-Cy5-5	208	48.70	643	5	0.0087	10	Pass
Blue	A	PE-Cy7	120	99.47	697	6	0.0106	11	Pass
Red	C	APC	383	25.10	583	4	0.0260	206	Pass
Red	A	APC-Cy7	182	28.29	559	3	0.0060	1186	Pass
Violet	B	V450	64	58.41	464	4	0.0510	1934	Pass
Violet	A	V500	99	31.98	477	5	0.0216	450	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.66	0.97
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	17.20	13.60 - 20.40	N/A	N/A	29.52	29.70	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9641

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments